



**(10) International Publication Number**  
**WO 2004/050491 A2**

## PCT

- (51) **International Patent Classification<sup>7</sup>:** B65D 25/16, 77/06

(21) **International Application Number:** PCT/IB2003/005398

(22) **International Filing Date:** 26 November 2003 (26.11.2003)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**  
 0227937.0 29 November 2002 (29.11.2002) GB  
 0324908.3 24 October 2003 (24.10.2003) GB

(71) **Applicant (for all designated States except US):** INTER-BREW S.A. [BE/BE]; Vaarstraat 94, B-3000 Leuven (BE).

(72) **Inventors; and**

(75) **Inventors/Applicants (for US only):** ANDERSON, Ian [GB/GB]; 19 Silver Street, Burwell, Cambridge CB5 0EF (GB). FRASER, Christine, A. [GB/GB]; 5 Hemmingford Road, Cambridge CB1 3BY (GB).

(81) **Designated States (national):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (regional):** ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**  
 — without international search report and to be republished upon receipt of that report

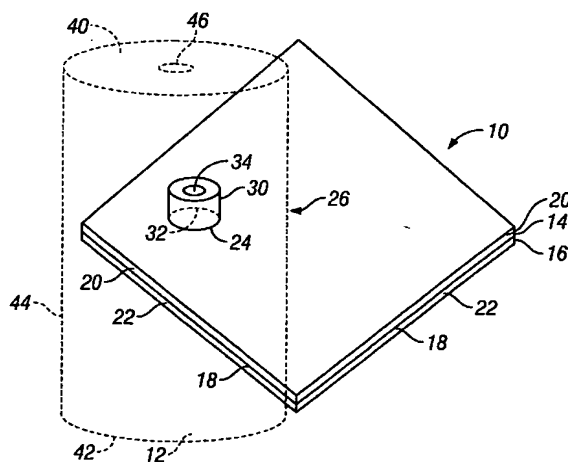
*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

- (54) Title:** METHOD OF INSTALLING ALCOHOL BEVERAGE BAG INTO A CONTAINER



**(57) Abstract:** The method of installing an alcohol beverage bag into a container such as a beer keg through an aperture in the container has the steps of folding the bag into overlapping panels so as to have a cross-sectional area able to pass through the aperture of the container and then inserting the folded bag through the aperture and into the container. The beverage bag comprises first and second rectangular panels having peripheral edges welded together to form a first seam. Each panel has an area larger than a cross-sectional area for the keg and the panels are sized relative to the keg cross-sectional area to permit the panels to be forced apart during bag filling so as to expand bag internal space to approximate the volume of the keg. The bag has an open neck member passing through an aperture of the first panel and welded thereto to form a second seam. The aperture in the first panel of the bag is preferably offset from the center of the panel to reduce the likelihood of the first seam of the bag being bunched together and pulled at one time through the keg aperture during bag extraction. Consequently, less stress is placed on the seams during bag extraction from the keg thereby enhancing the recycling life of the bag.

**WO 2004/050491 A2**